

AMENDMENTS TO CLAIMS

1. (Currently Amended) A socket tool for connection and communication of application layer software, the socket tool including coded codes executed in a computer and arranged to be called by application layer software to enable the application layer software to connect and communicate with application layer software of another computer under regulations of the Transmission Control Protocol (TCP), wherein the socket tool comprises a set of socket control codes for a TCP network connection based on the Transmission Control Protocol, said socket control codes including both a data transfer control code related to the application layer software and file transfer control codes, said socket control codes further including control codes for indicating both data and file transfer progress.
2. (Original) The socket tool according to claim 1, further comprising a set of value-incremental codes for dealing with data to be transmitted by the application layer software.
3. (Original) The socket tool according to claim 1, wherein the set of socket control codes comprises at least a "SAccept" code, a "SClose" code, a "SConnect" code, a "SGetData" code, a "SListen" code, a "SSendData" code, a "SGetFileName" code, a "SSendFile", a "SConnectionRequest" code, a "SDataArrival" code, a "SError" code, a "SSendComplete" code, a "SFileArrival" code, and a "ConnectionTimeout" code.
4. (Original) The socket tool according to claim 2, wherein the set of value-incremental codes includes at least an encryption code and a decryption code.
5. (Original) The socket tool according to claim 2, wherein the set of value-incremental codes includes at least a compression code and a decompression code.
6. (Original) The socket tool according to claim 1, wherein the application layer software is a SQL database software.

Serial Number 09/867,454

7. (Original) The socket tool according to claim 1, wherein the application layer software is an application software for downloading files.

8. (Original) The socket tool according to claim 7, wherein a downloaded file is a MP3 song file, a GIF format picture file, a JPG format picture file, or a moving picture format file.

9. (Original) The socket tool according to claim 1, wherein the application layer software is a chat application software.

10. (New) The socket tool according to claim 1, wherein said data transfer control code related to the application layer software includes an “SGetData” code for transferring back a designated string obtained by executing a SQL instruction to a database.

11. (New) The socket tool according to claim 1, wherein said data transfer control code related to the application layer software includes an “SSendData” code for uploading a length and parameter of an SQL instruction string from a client computer to a server computer.